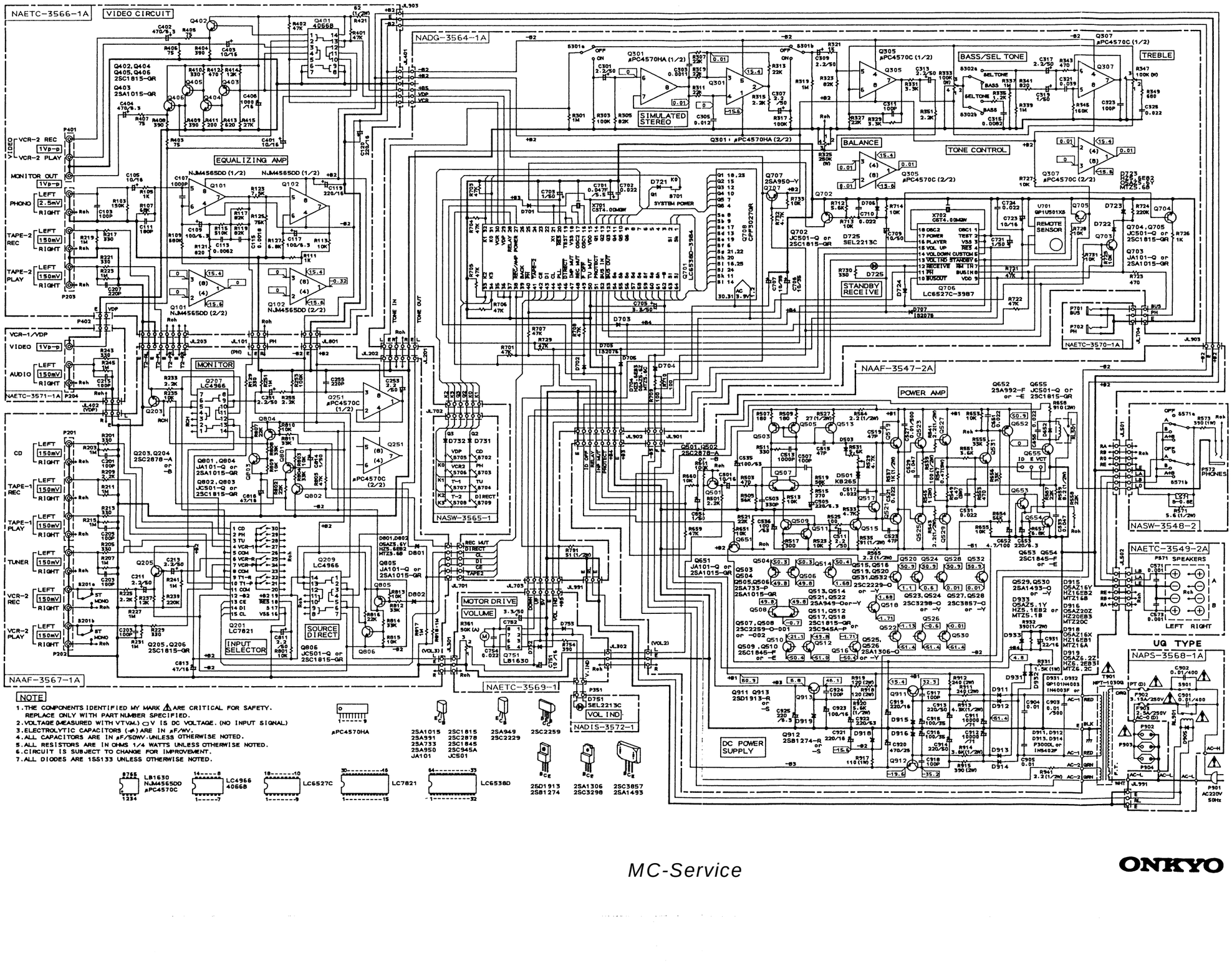
ONKYO A8640

MODEL

SERVICE MANUAL

MC-Service

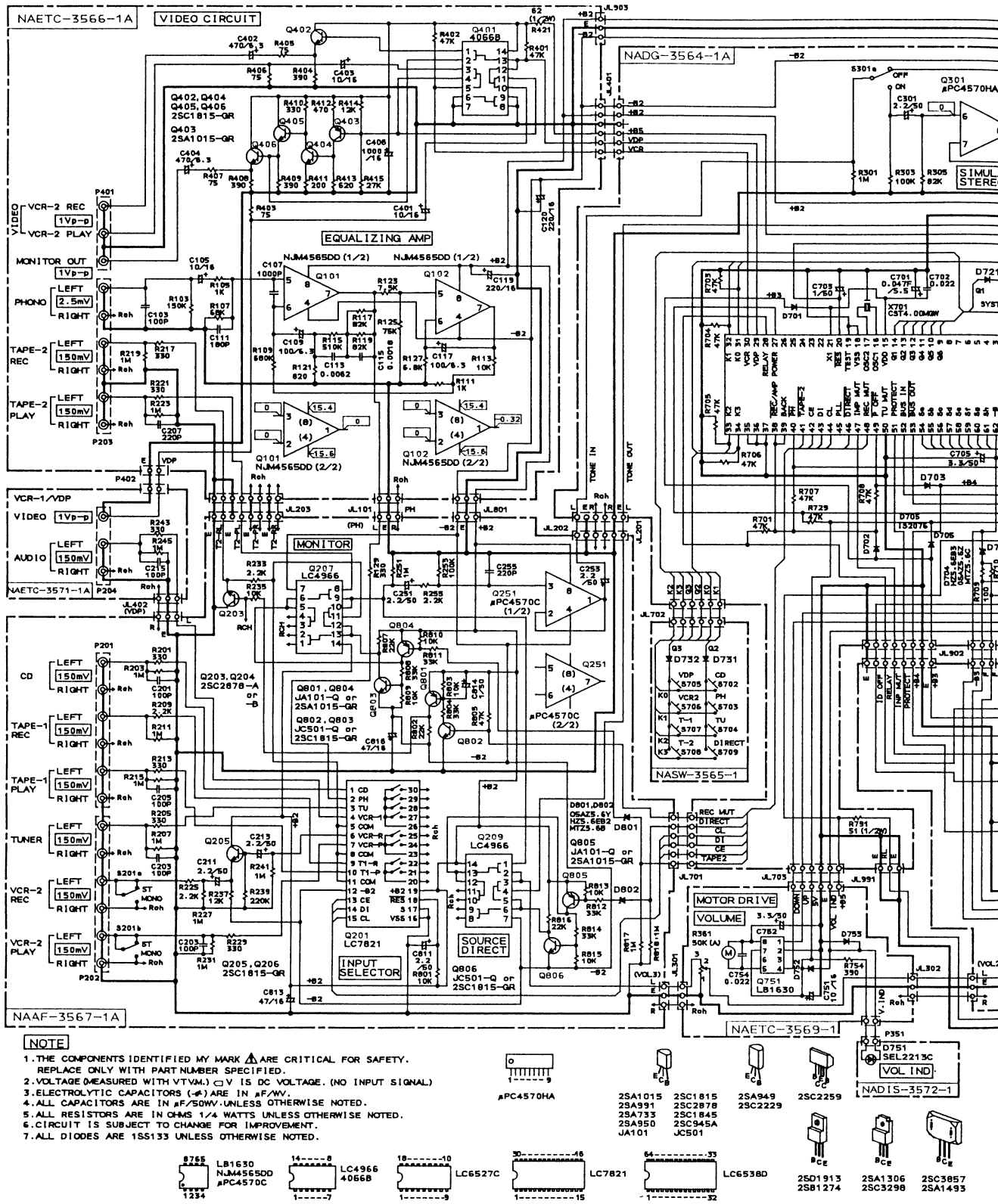
SCHEMATIC DIAGRAM



MC-Service

ONKYO CORPORATION

SCHEMATIC DIAGRAM



NOTE

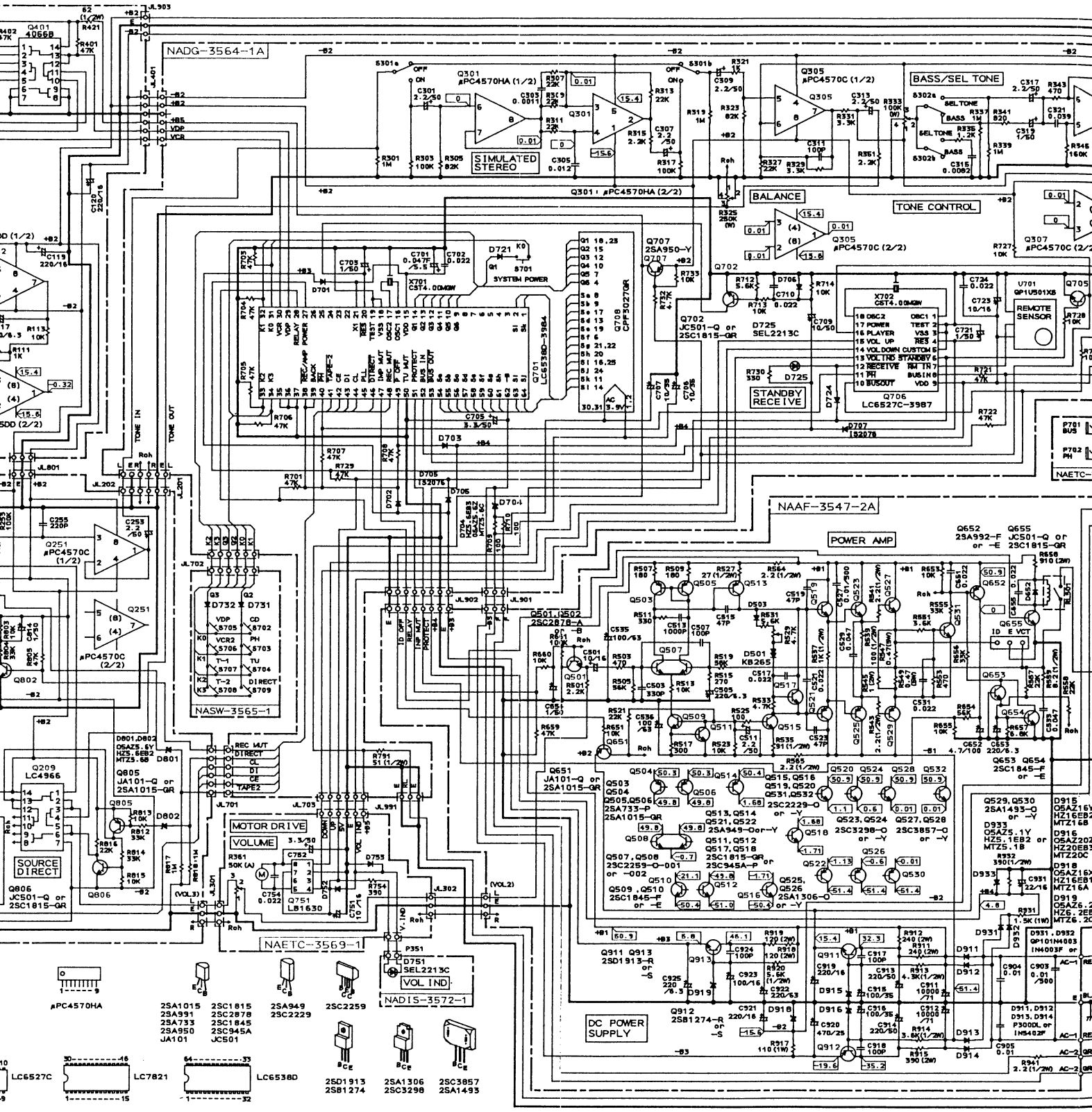
1. THE COMPONENTS IDENTIFIED MY MARK ⚠ ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
2. VOLTAGE (MEASURED WITH VTVM.) ▭V IS DC VOLTAGE. (NO INPUT SIGNAL)
3. ELECTROLYTIC CAPACITORS (-#) ARE IN μF/WV.
4. ALL CAPACITORS ARE IN μF/50WV UNLESS OTHERWISE NOTED.
5. ALL RESISTORS ARE IN OHMS 1/4 WATTS UNLESS OTHERWISE NOTED.
6. CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.
7. ALL DIODES ARE 1SS133 UNLESS OTHERWISE NOTED.

μPC4570HA

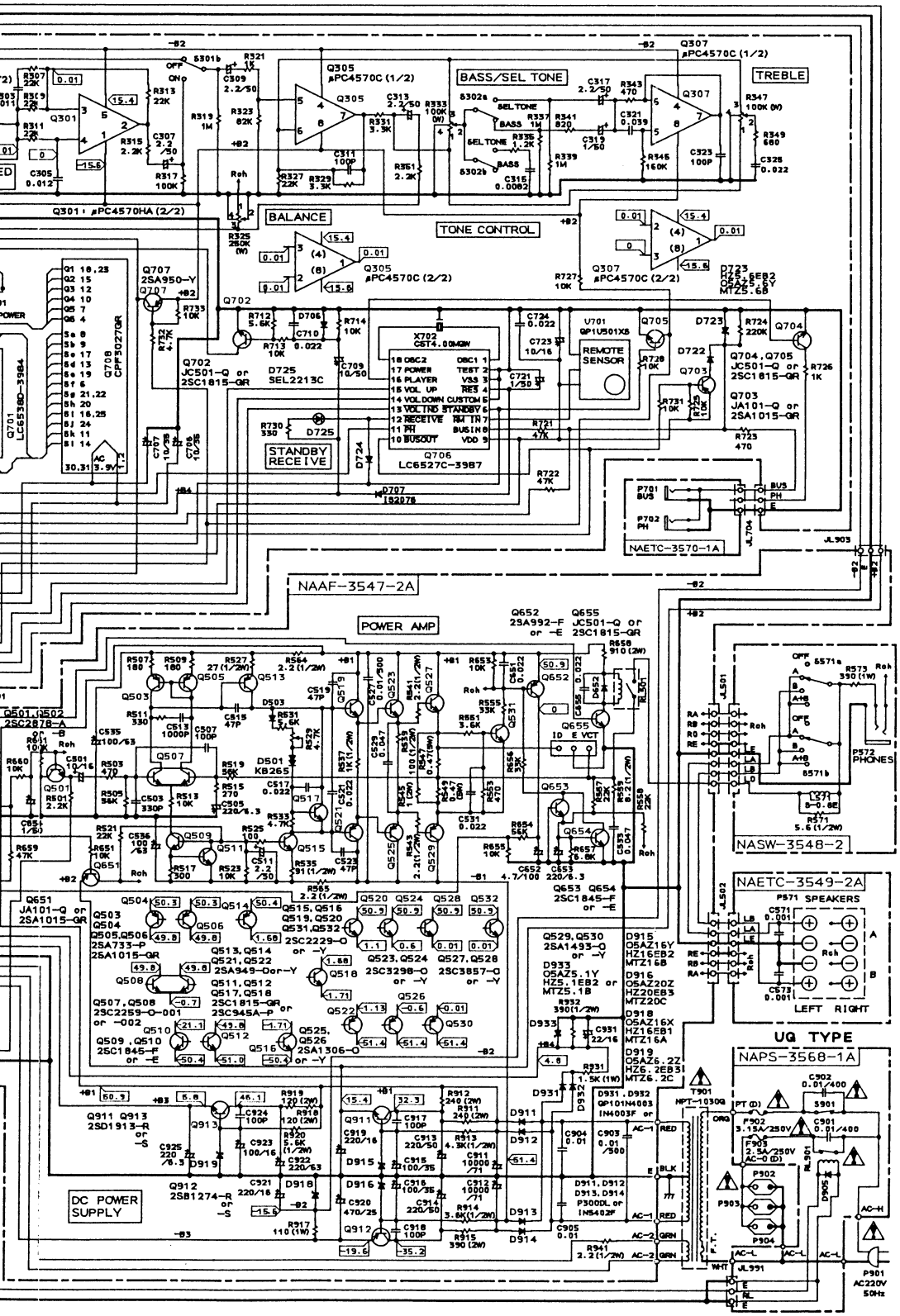
2SA1015 2SA991 2SA733 2SA950 JA101 — 2SC1815 2SC2878 2SC1845 2SC945A JC501 — 2SA949 2SC2229 — 2SC2259

2SD1913 2SB1274 — 2SA1306 2SC3298 — 2SC3857 2SA1493

LB1630 NJM4565DD μPC4570C — LC4966 40668 — LC6527C — LC7821 — LC6538D


C
D
E
F
NADG-3564-1A
NAAF-3547-2A
NASW-3565-1
NAETC-3569-1
NADIS-3572-1
SIMULATED STEREO
BASS/SEL TONE
TONE CONTROL
BALANCE
POWER AMP
STANDBY RECEIVE
SYSTEM POWER
REMOTE SENSOR
MOTOR DRIVE
VOLUME
SOURCE DIRECT
DC POWER SUPPLY
VOL IND
TONE IN
TONE OUT
Q401 40668
Q301 μPC4570HA (1/2)
Q301 μPC4570HA (2/2)
Q305 μPC4570C (1/2)
Q305 μPC4570C (2/2)
Q307 μPC4570C (2/2)
Q251 μPC4570C (1/2)
Q251 μPC4570C (2/2)
Q702 JC501-Q or 2SC1815-QR
Q707 2SA950-Y
Q706 LC6527C-3987
Q708 CPF3027GR
Q701 LC6538D-3984
Q732 D731
Q501,Q502 2SC2878-A
Q651 JA101-Q or 2SA1015-QR
Q652 2SA992-F or -E
Q655 JC501-Q or 2SC1815-QR
Q805 JA101-Q or 2SA1015-QR
Q806 JC501-Q or 2SC1815-QR
Q209 LC4966
Q751 LB1630
Q911 Q913 2SD1913-R or -S
Q912 2SB1274-R or -S
D721 SYSTEM POWER
D725 SEL2213C
D751 SEL2213C
D501 KB265
D801,D802 05AZ5.6Y HZ5.6EB2 MTZ5.6B
D915 05AZ16Y HZ16EB2 MTZ16B
D916 05AZ20Y HZ20EB3 MTZ20C
D918 05AZ16Y HZ16EB1 MTZ16A
D919 05AZ6.2Y HZ6.2EB2 MTZ6.2C
D931,D932 GP10YH4003 or IN4003F
D933 05AZ5.1Y HZ5.1EB2 or MTZ5.1B
D911,D912 D913,D914 P300DL or IN5402F
μPC4570HA
2SA1015 2SA991 2SA733 2SA950 JA101
2SC1815 2SC2878 2SC1845 2SC945A JC501
2SA949 2SC2229
2SC2259
2SD1913 2SB1274
2SA1306 2SC3298
2SC3857 2SA1493
LC6527C
LC7821
LC6538D

E F G H


BASS/SEL TONE
TREBLE
BALANCE
TONE CONTROL
STANDBY RECEIVE
REMOTE SENSOR
POWER AMP
DC POWER SUPPLY
NAAF-3547-2A
NAETC-3570-1A
NASW-3548-2
NAETC-3549-2A
NAPS-3568-1A
UQ TYPE
P571 SPEAKERS
P572 PHONES
LEFT RIGHT
Q305 μPC4570C (1/2)
Q307 μPC4570C (1/2)
Q305 μPC4570C (2/2)
Q307 μPC4570C (2/2)
Q301 : μPC4570HA (2/2)
Q706 LC6527C-3987
Q707 2SA950-Y
Q702 JC501-Q or 2SC1815-GR
Q703 JA101-Q or 2SA1015-GR
Q704,Q705 JC501-Q or 2SC1815-GR
Q725 SEL2213C
Q709 CPF3027GR
Q701 LC65380-3984
X702 CST4.00MGW
V701 GP1U501X6
Q501,Q502 2SC2878-A
Q503 Q504 2SA733-P
Q505,Q506 2SA1015-GR
Q507,Q508 2SC2259-O-001 or -002
Q509,Q510 2SC1845-F or -E
Q511,Q512 2SA949-Oor-Y
Q513,Q514 Q521,Q522 2SA949-Oor-Y
Q515,Q516 Q519,Q520 Q531,Q532 2SC2229-O or -Y
Q517,Q518 2SC1815-GR or 2SC945A-P
Q523,Q524 2SC3298-O or -Y
Q525, Q526 2SA1306-O
Q527,Q528 2SC3857-O or -Y
Q529,Q530 2SA1493-O or -Y
Q651 JA101-Q or 2SA1015-GR
Q652 2SA992-F or -E
Q655 JC501-Q or 2SC1815-GR
Q653 Q654 2SC1845-F or -E
Q911 Q913 2SD1913-R or -S
Q912 2SB1274-R or -S
D501 KB265
D915 D5AZ16Y HZ16EB2 MTZ16B
D916 D5AZ20Z HZ20EB3 MTZ20C
D918 D5AZ16X HZ16EB1 MTZ16A
D919 D5AZ6.2Z HZ6.2EB3 MTZ6.2C
D933 D5AZ5.1Y HZ5.1EB2 or MTZ5.1B
D931,D932 GP101N4003 or 1N4003F or
D911,D912 D913,D914 P300DL or 1NS402F
T901 NPT-1030Q
P901 AC220V 50Hz